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(71) Applicant (for all designated States except US): **FRAEN  
CORPORATION S.R.L.** [IT/IT]; Via Senato, 20, I-20121  
Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ANGELINI, Marco**

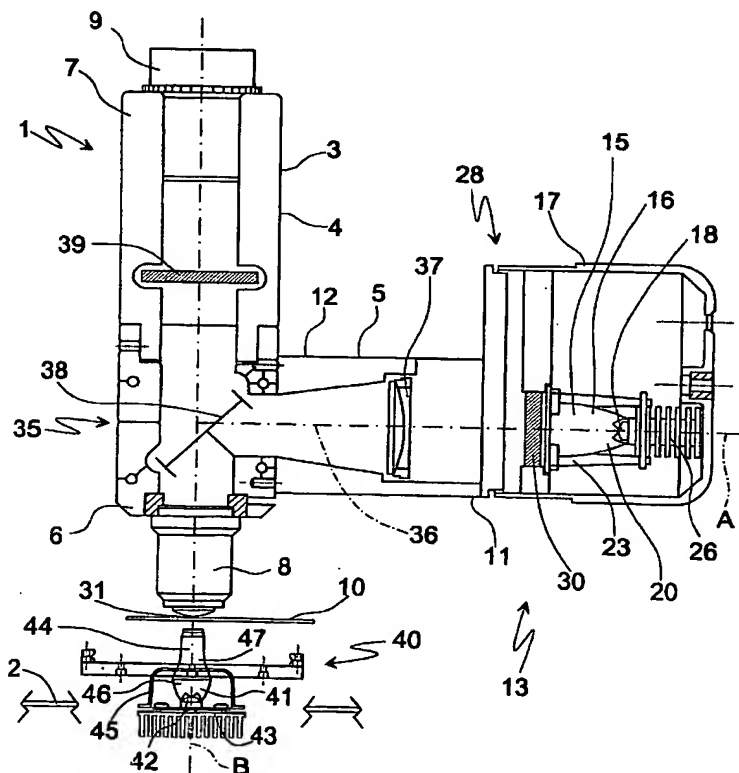
[IT/IT]; Via Milano, 20, I-27021 Bereguardo (IT). **BAR-  
ALDO**, Natale [IT/IT]; Via San Martino, 22/a, I-20037  
Paderno Dugnano (IT). **BIGLIATI, Claudia** [IT/IT];  
Via Montenero, 18, I-13039 Trino (IT). **SCODES, Luca**  
[IT/IT]; Via Mazzini, 90, I-20079 Sant'Angelo Lodigiano  
(IT).

(74) Agents: **JORIO, Paolo** et al.; Studio Torta S.r.l., Via  
Viotti, 9, I-10121 Torino (IT).

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(54) Title: LIGHTING ASSEMBLY FOR A LUMINESCENCE ANALYSIS APPARATUS, IN PARTICULAR A FLUORESCENCE MICROSCOPE, AND LUMINESCENCE ANALYSIS APPARATUS EQUIPPED WITH SUCH A LIGHTING ASSEMBLY



(57) Abstract: A luminescence analysis apparatus (1), in particular for fluorescence microscopy, has a lighting assembly (13) having a lighting unit (15) which includes a preassembled module (16) housed inside a housing (17); the module (16) is defined by a LED (18) mounted on a plate (19), and by an optical collimating element (20) connected integrally to the LED (18) and located in close proximity to the LED (18); the optical element (20) is a catadioptric collimator made of transparent plastic material and designed to internally convey and transmit the light emitted by the LED (18), so as to generate a substantially parallel beam of light rays which is directed onto a luminescent sample (31) for analysis.



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